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01/02/87



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Kentucky Electric Steel

Post Office Box 3500
Ashland, Kentucky 41105-3500

Telephone: 606-928-6441

MATERIAL SAFETY DATA SHEET

=====GENERAL INFORMATION=====

Manufacturer:
Kentucky Electric Steel Corporation

Date: 01/02/87

For Additional Information, contact:
Supervisor of Safety

=====PRODUCT IDENTIFICATION=====

Product Name:

Synonym(s):

ALLOY STEEL GRADES

ASTM SPECIFICATIONS LATEST REVISION

=====TYPICAL CHEMICAL COMPOSITION=====

Ingredients	CAS No.	Wt. %	OSHA PEL	ACGIH TLV
Iron	7439-89-6	Balance	10 (4)	5 (4)
Manganese	7439-96-5	.40-1.5	5.0(7)	1.0(8)
Nickel	7440-02-0	.25-0.5	1.0(6)	1.0(6)
Chromium	7740-47-3	.35-1.15	0.1(5)	.05(5)
Copper	7440-50-8	.20-.40	0.1(4)	0.2(4)

=====PHYSICAL DATA=====

Physical State:
Solid

Specific Gravity:
7.6 - 7.8

Appearance and Odor:
Grey Metal; odorless

Vapor Pressure:
NA

Boiling Point:
NA

Vapor Density:
NA

Melting Point:
2800°F

Evaporation Rate:
NA

Solubility in Water
NA

% Volatile by Volume:
NA

pH:
NA

USEPA SF



1265420

This product does not meet the criteria of a hazardous chemical as defined by the Federal Occupational Safety and Health Hazard Communication Standard (29 CFR1910.1200(c)). This form is being provided solely as general information and should not be construed as a determination that the product is a hazardous chemical.

A Newport Steel Subsidiary

=====FIRE AND EXPLOSION HAZARD DATA=====

Not Applicable

=====REACTIVITY DATA=====

Stability:
Stable

Incompatibilities (Materials to avoid):
Acids

Hazardous Decomposition Products:
Fumes and/or gases produced from welding or burning operations.

Polymerization:
Will not occur

=====HEALTH HAZARD DATA=====

Health Effects/Signs and Symptoms:

Exposure to the constituents of these products will only occur during welding or burning. However, because of the low toxicity of the components, these products are not considered to be hazardous chemicals as defined by the federal OSHA Hazard Communication Standard.

However, for additional information, users may wish to consult the American National Standard on "Safety in Welding and Cutting" (ANSI Z49.1-1983) which is published by the American Welding Society.

Usual Route(s) of Entry:
Inhalation

Medical Conditions Possibly Aggravated:
Chronic diseases or disorders of the respiratory system.

Carcinogen Information:
Not considered to be a carcinogen.

=====FIRST AID AND MEDICAL EMERGENCY PROCEDURES=====

Eye Contact:
Not anticipated to pose a significant eye hazard.

Skin Contact:
Not anticipated to pose a significant skin hazard.

Inhalation:
Remove from excessive exposure levels unless proper respiratory protection is worn.

Ingestion:
Not considered an ingestion hazard.

=====OCCUPATIONAL EXPOSURE CONTROL MEASURES=====

Engineering Controls (Ventilation, etc.):
Ventilation should be sufficient to maintain exposure levels below the applicable exposure limit.